Job code- 005-17-000046.

P3122-Amrut Project

Estimated cost

(Date: .....)

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For other works)

Date:

Bill No. 1st and Part Horticulture

Sub-Division AEE (Lakes)

Division : DCF (Lakes)

Bill Received No: ..... Dated : ..... Cash Book Voucher No: Dated: .....

Schedule Docket No: ..... **Head of Account :**

Name of the Work: **Development of Green space and parks to Vin Field Layout Main Road Park Ward - 5 Jakkur (Yelahanka Zone)**

Name of the Contractor & Address: **Sri. Mahesh K. N.**

Reference to Agreement No:

Certified that the measurements were taken by me on 25/2/19 and recorded on pages to of measurement Book No and the work is satisfactorily executed.

Contractor

Officer- in charge of work.

Certified that the measurement were checked by me on 25/4/19 and found correct

The work is satisfactorily executed.

Certified that the Quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

BG NO 0809 IGF IN O 01418 dt 05-04-2018.
Rs 1124051/- Bank of Baroda Towards FSD

Sub-Division Officer 25/2/19

Memorandum of payment

1	Total value of work done or supplies made as per the account within		Bill Amount	7222150/-
2	Deduct amount to be held in reserve being ..... percent Rs.		CGST	72225/-
3	Value upto 04/04/2019 Balance		SGST	72225/-
4	Deduct payments		IT	72225/-
	a) Amount of previous payment as in the office cash book voucher No. ..... Dated ..... S D No..... Amount adjusted towards cash advance recovery of	FSD	ITSCN	72225/-
	b) Payments cost store or other materials supplied Now made recovery of amount creditable of this/other work. Amount paid on this bill Cheque/ Cash.	ITSCN KST Royalty CBF BWF	7225/- 109340/- Royalty	405465/-
5	Balance being unpaid value of work done held in reserve.			
6	Deduct cash advance made on the office Cash Book Voucher No. Dated ..... less adjustments.	Cheque	Balance Cheque	6816685/-
7	Net amount due to or from Contractor. Unadjusted items			
8	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.			

Check measured by Deputy Conservator of Forests (Lakes) on In MB No. In page No.

Contractor

Received Rs. .....

(in words) .....

By Cash & by adjustment of Payment as per memorandum

Witness :

1

2

Dated

Stamp

Contractor

Paid by me by Cheque No. ..... Dated:.....

Cash Rs. ..... Dated:.....

Initials of Officer making Payment

Audited and admitted for Rs. 7222150/-

Passed for Rs. 6816685/- sixty eight Lakhs Sixteen thousand six hundred and eighty five only/-

...By Cheque

For Rs. 405465/- ..By Adjustment

Deputy Conservator of Forests (Lakes)
Bruhat Bangalore Mahanagara Palike

A. Deputy Conservator of Forests (Lakes)
Bruhat Bangalore Mahanagara Palike

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BRUHAT BENGALURU MAHANAGARA PALIKE

Name of Work : Development of Green space and parks to Vin Field Layout Main Road P[illegible]k Ward - 5 Jakkur (Yelahanka Zone)

Item code	Item Name	Unit	Approved Qty	Previous measurements		Present measurements			Up to date measurements	
				Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceab materials, stacking of serviceable materials within a lead of 100 metres from road boundary, labour charg complete as per specifications. as directed by the engineer incharge of the work.	sqm	6997.22			6606.00	6.67	44093.86	6606.00	44093.86
2	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical condui either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m. In depth includir dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavatic with lead upto 50m after breaking of clods specifications. as directed by the engineer incharge of the work.f compound ,gate and gazebo(3.5MX3.5Mand 6.5mx6.5m)& rainwater harvesting structure	cum	479.18			327.08	210.26	68770.17	327.08	68770.17
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement@180kgs, with 40m and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machir mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, includin cost of all materials, labour, HOM of machinery, curing complete as per specifications. As directed by th engineer incharge of the work..for compound,gate and gazebo(3.5MX3.5Mand 6.5mx6.5m)& rainwat harvesting structure,	cum	80.19			62.39	5414.39	337802.13	62.39	337802.13
4	Providing and constructing granite/ trap /basalt size stone masonry in foundation with Cement mortar 1:6, stor hammer dressed in courses not less than 20 cms high, bond stones at two m. Apart in each course includin cost of materials, labour, curing complete as per specifications. As directed by the engineer incharge of th work	cum	139.56			134.87	4657.91	628221.89	134.87	628221.89
5	Providing and constructing granite/trap/ basalt size stone masonry in basement with cement mortar 1:6, edg of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each cours including cost of materials, labour, curing complete as per specifications.As directed by the engineer incharg of the work,for compound&gate and gazebo(3.5MX3.5M)	cum	68.14			68.14	5567.91	379397.55	68.14	379397.55
6	Providing flus pointing to coursed stone masonry with cement mortar 1:3 , 20mm deep, after raking joints t depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications,. A directed by the engineer incharge of the work	sqm	206.76			205.11	107.91	22132.80	205.11	22132.80
7	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320 kg with 20mm and down size graded granite metalcoarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concret laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level fo roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plaster columns, piers, abutments pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed block anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery curing, complete as per specifications. As directed by the engineer incharge of the work,.for open stage an gazebo 3.5mx3.5mand 6.5mx6.5m&rain water harvesting structure	cum	29.04			29.04	6687.06	194192.14	29.04	194192.14
8	Providing T.M.T Steel reinforcement for RCC work including styraightening ,cutting ,bending ,hooking placing in position ,lappingand/or welding where ever required ,tying with binding wire and anchoring to th adjoining members where ever nessassary complete as per design (laps and westage shall not be measured an paid) cost of mateial,labour HOM of machinary complete as per specifications ,As directed by the enginee incharge of the work,for gates &rain water harvesting structure	Tonne	1.86			0.32	62353.94	19953.26	0.32	19953.26
9	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cos of materials, labour, curing complete as per specifications. As directed by the engineer incharge of the work	sqm	14.40			14.40	201.36	2899.54	14.40	2899.54

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ms-17-000046
-st Project

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE
(For other works)

...Division AEE (Lakes)

Item code	Item Name	Unit	Approved Qty	Previous measurements		Present measurements			Up to date measurements	
				Qty	Amount	Qty	Rate	Amount	Qty	Amount
11	Providing & fixing MS grill over existing compound wall as per using 16 mm x 16 mm MS square rod at 15(mm c/c spacing and 6 mm x 40 mm MS flats at horizontal and 6 mm x 12 mm MS flat for ornamental design & providing sharp edge design at the vertex of every vertical rods, including welding, grinding whereve necessary. All the steel surface should be thoroughly cleaned free of rust & painted with anticorrosive pain (shop paint) etc, complete. The work includes cost of all materials, labour charges for all items of work, hir charges for building, cutting & grinding, equipment & electricity charges etc. complete as per specifications.A directed by the engineer incharge of the work	sqm	220.00			207.50	5811.54	1205895.23	207.50	1205895.23
12	Providing and fixing MS gate as per chief architect drawing using 50mmx50mm 14 gauge MS hallow pip frame work bent to ornamental shape as shown in the drawing and 35mmx6mm and 16mm square rods fo verticles alternatively spaced @4cm c/c in two halves and 40mmx 6mm MS flats for horizontal member and a the top cast iron spikes are provided at alternate verticle members as shown in the drawings. all the steel surface should be thouroughly cleaned free of rust and painted with anticorrosive paint (shop paint) etc. the work includes cost of all materials , labour charges for all items of work, higher charges for welding, cutting and grinding equipments, and electricity charges complete as per specifications. As directed by the engineer incharge of the work	sqm	19.80			8.92	3263.99	29127.82 29115	8.92	29127.82 29115
13	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. As directed by the engineer incharge of the work,for gates, MS grill and gazebo(3.5MX3.5M&6.5mx6.5m)	sqm	336.55			336.55	91.22	30700.95	336.55	30700.95
16	Providing and filling in foundation with granite /trap broken metal 100mm and down size , with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift .complete as per specifications, and as directed by the department officers.	cum	21.78			19.52	2351.76	45904.03	19.52	45904.03
17	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli grey granite in cement mortar CM 1:4 proportion, cut to required shape pattern with paper joints finished with cement mortar using white cement and colour pigments to match the colour of slb making through jointing with sealent grooves in joints including cost of all materials , mortar, labour, curing etc,. complete as per specifications minimum width of 1200 mm as per specifications ,As directed by the engineer incharge of the work	sqm	87.12			89.41 87.12	2209.37	197544.89 192480	89.41 89.12	197544.89 192480
18	Providing and fixing of 150x150x10mm thick M.S Box section columns Fabricating, supplyinf and erecting MS Angular trusses for all spans as per apprroved design and drawings. The entire trusses is anchored suitably by using 4 Nos of anchor bolts at each support, with base plate shoe plate.the work includes straightening ,placing in position of MS Angle and welding whereever necessary and applying one coat of red oxide primer coat to all the members including cost of materials, labour charges and hire charges of machinery for cutting, welding, grinding and erection equipments etc,complete as per specifications,As directed by the engineer incharge of the work	kg	9889.39			5693.61	130.16	741074.67	5693.61	741074.67
19	Providing and fixing of Mangalore tiles roofing using first class tiles with necessary special tiles for ridges and hips, teak wood reepers of size 50x25mm and pointed with cement mortar 1:4 over the existing rafters including cost of materials , labour,curing complete as per specifications,As directed by the engineer incharge of the work	sqm	110.43			110.40	1336.08	147502.84	110.40	147502.84
20	Providing, laying, spreading and compacting crushed stone aggregates of granite/ trap/ basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to the site , laying in uniform layers with paver in sub- base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.As directed by the engineer incharge of the work	cum	275.00			248.66	1855.60	461406.06	248.66	461406.06
21	Providing & laying heavy duty cobble stones 60 mm thick interlocked pavers, using cement & coarse sand for manufacture of blocks of approved size, shape & colour with a minimum compressive strength of 281 Kg/sqm over 50 mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints in to its final level, including cost of materials, labour and HOM of machineries complete as per specifications ,As directed by the engineer incharge of the work	sqm	1280.00			1243.28	1014.57	1261397.87	1243.28	1261397.87
22	Providing and fixing pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete size 450 x 200 x 400 mm	Nos	2811.00			2520.00	404.94	1020446.48	2520.00	1020446.48

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Item code	Item Name	Unit	Approved Qty	Previous measurements		Present measurements			Up to date measurements	
				Qty	Amount	Qty	Rate	Amount	Qty	Amount
42	Geophysical investigation of site for sinking bore well for supply drinking water to the habitation eith through the Hand Pump. MWS or PWSS by vertical electrical sounding by adopting Venner or schlumberger method, including reconnaissance survey of geological formation, Geophysical investigation of existing groun infecundity its quality & acceptability of the users indicating the location of site, recommended depth casing pipe required to seal the top in consolidated formation of proper scatting of casing pipe ,depth of drillin required to cover full depth of auquifer propopsed to be tapped Proboabale yield and other information require including transporetation technical personal and labour etc ,as directed by the engineer incharge of the work	Each	2.00			1.00	2167.22	2167.22	1.00	2167.22
43	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 90 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap wit necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charge and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working o compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharg of the worka) 0.00 to 50.00 mts	Rmtr	100.00			50.00	330.78	16539.07	50.00	16539.07
44	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 90 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap wit necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charge and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working o compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharg of the workb) 50.00 to 100.00 mts	Rmtr	100.00			50.00	432.39	21619.70	50.00	21619.70
45	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 90 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap wit necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charge and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working o compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharg of the workc) 100.00 to 150.00 mts	Rmtr	100.00			50.00	480.67	24033.55	50.00	24033.55
46	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 90 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the workd) 150.00 to 200.00 mts	Rmtr	100.00			50.00	508.06	25403.15	50.00	25403.15
7	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the worke) 200.00 to 250.00 mts	Rmtr	100.00			50.00	588.06	29402.79	50.00	29402.79
	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the workf) 250.00 mtrs & above	Rmtr	100.00			91.00	588.06	53513.08	91.00	53513.08

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Item code	Item Name	Unit	Approved Qty	Previous measurements		Present measurements			Up to date measurements	
				Qty	Amount	Qty	Rate	Amount	Qty	Amount
49	Supply of ISI mark 175 mm nominal bore,plain end steel casing pipe grade of steel fee 410 of wall thickne 5.4mm thick confirming to IS 4270:2001 and latest amendments, eletric resistence welded steel tube materi and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process random length of 5 to 7 mts. Both ends threaded confirming to IS 554/1985, one end fixed with sock conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free fro defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10Kg/mtr (inclusive all taxes and duties). Prices including collar medium duty.As directed by the enginer inchargeof the work Casing pipe,As directed by the enginer inchargeof the work	rmtr	60.00			12.00	1390.59	16687.05	12.00	16687.05
52	Supply and delivery of submersible pump sets suitable for borewell of 165mm dia with specified dut conditions as detailed below and satisfying performance characteristics for pump and motor specified in BI with ISI mark with a minimum efficiency of 42% pump shall confirm to IS 8034/2002 and motor conformin to IS 9283/1995 with ISI Certification ,7.50 HP/9.3 KW Sub mersible pump set, As directed by the engine inchargeof the work	Each	2.00			1.00	56987.85	56987.85	1.00	56987.85
53	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grad copper conductor cofirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and powde coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 an confirming to the attwached GTP of Group A 3C x 6.0 Sq.mm, As directed by the enginer inchargeof the work	meter	560.00			122.00	198.04	24160.96	122.00	24160.96
54	Errection of pumpset including aligning and balancing with all necessary erection materials and labou including supply and erection of one pair of supporting clams, borewell cap, cable clips with bolts, nuts, valv gauges etc., involved in the job. (Necessary G.I.Pipe and specials will be supplied by the board at the site fre of cost), As directed by the enginer inchargeof the work	nos	2.00			1.00	1794.65	1794.65	1.00	1794.65
1	Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 50mm dia nominal bore with fitting (medium grade weight 1.27 Kg/mtr) B class including cost of all materials, labour charges, HOM of equipmen and testing complete as per specifications.as directed by the engineer incharge of the work.	Rmtr	540.00			15.00	488.52	7327.82	15.00	7327.82
2	Providing and constructing burnt brick masonary with hoey comb work with approved quality of non modula bricks of standard size of class designation 5.00 Newton per sqmm(table moulded) with cement mortar fo basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as pe specifications..As directed by the engineer incharge of the work.	Cum	17.44			14.12	7266.65	102586.26	14.12	102586.26
	Providing 12mm thick cement mortar plaster in single coat with cement plaster in single coat with cemen mortar 1:3 to brick masonary including rounding off corners whereever required smooth rendering, providing and removing scaffolding,including cost of materials, labour, curing complete as per specifications..As directed by the engineer incharge of the work.	Sqm	41.12			32.73	201.36	6589.41	32.73	6589.41
								7227276.74		7227276.74
						Say		7227276.00		7222150/-

7222150/-

Certified that the contractor has completed the work as per the specification and drawing satisfactory.

The contractor has cleared the debris from the work spot.

The amount claimed in this bill is not claimed in any of previous bills

Environmental Engineer
Lakes, BBMP

25/2/19

Asst. Executive Engineer
Lakes, BBMP

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